

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/053961 A1

(51) International Patent Classification⁷: **B41J 13/08**,
11/00, 3/60

3b, 24109 Melsdorf (DE). **PRINZ, Matthias** [DE/DE]; Dorfstrasse 32, 24242 Felde (DE). **SCHOON, Ralph** [DE/DE]; Marcobrunner Strasse 17, 65197 Wiesbaden (DE). **SING, Gerhard, Rudolf** [DE/DE]; Esmarchstrasse 22, 24105 Kiel (DE).

(21) International Application Number:

PCT/EP2004/013667

(74) Agent: **LAUERWALD, Jörg**; c/o NexPress GmbH, Dr.-Hell-Strasse, 24107 Kiel (DE).

(22) International Filing Date: 2 December 2004 (02.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
103 56 810.7 5 December 2003 (05.12.2003) DE

(71) Applicant (for all designated States except US): **EAST-MAN KODAK COMPANY** [US/US]; 343 State Street, Rochester, NY 14650 (US).

(72) Inventors; and

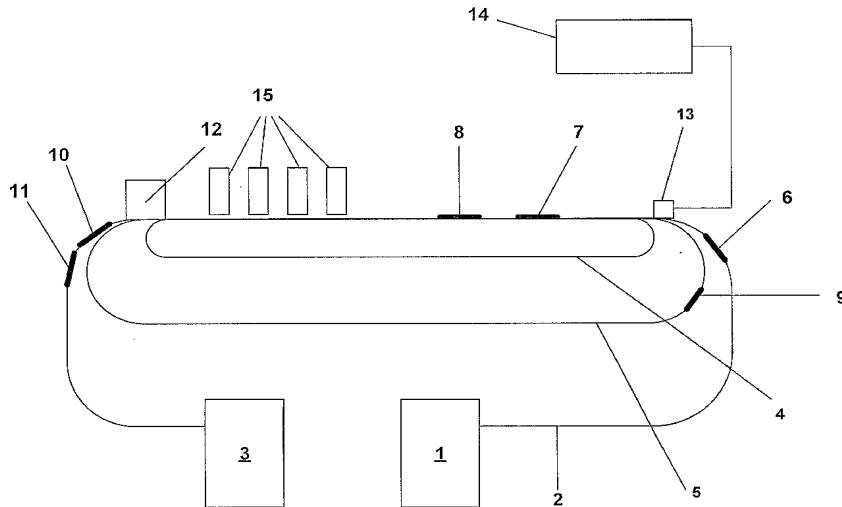
(75) Inventors/Applicants (for US only): **BAUER, Eckhard** [DE/DE]; Lamp'sche Koppel 71, 24217 Schönberg (DE). **PAREIGIS, Stephan, Walter, Eduard** [DE/DE]; Gr. Eiderkamp 7, 24113 Molfsee (DE). **WEINLICH, Uwe** [DE/DE]; Samwerstrasse 1, 24118 Kiel (DE). **DOB-BERSTEIN, Dieter, Karl-Heinz** [DE/DE]; Steinkämpe

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: METHOD FOR FEEDING SHEETS IN A PRINTING MACHINE



(57) Abstract: The invention relates to a method of feeding sheets of printing material in a printing machine, preferably a digital printing machine, on a continuous loop transport means, in particular, a transport belt, which has at least one dead space section, specifically a seam, and which is preferably included in a transport path which permits the alternate selection between simplex printing and duplex printing, in which case it has been taken into account that a region, preferably the leading edge of a respective sheet on the transport means, is detected for the control of a printing process by means of a detecting device. The present invention is to solve the problem of making optimal use of space for sheets on the transport means, while avoiding detecting device errors caused by the dead space section. This problem has been solved by the present invention in that, when a sheet is fed, said sheet's region to be detected is prevented from entering into the dead space section of the transport means.

WO 2005/053961 A1



FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*